

CONSTRUCTION PLANS FOR:

PAAR DRIVE

SOUTHERN GROVE

LOCATED IN PORT ST. LUCIE, FLORIDA 34987

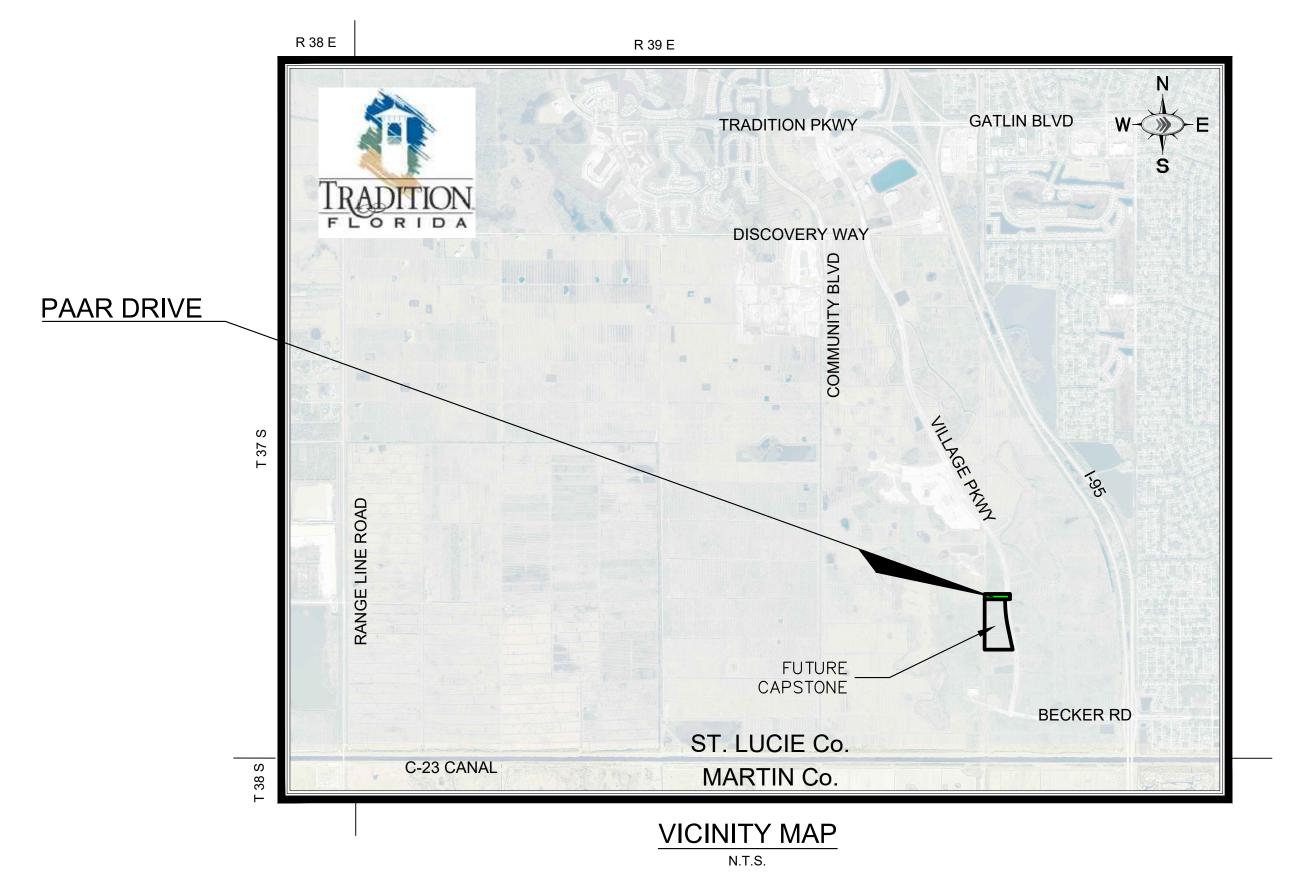
LEGAL DESCRIPTION:

A PORTION OF PARCEL 28 ACCORDING TO SOUTHERN GROVE PLAT NO.3, AS RECORDED IN PLAT BOOK 61, PAGE 17, PUBLIC RECORDS OF ST. LUCIE COUNTY FLORIDA AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS

BEGINNING AT THE NORTHERLY NORTHEAST CORNER OF PARCEL 28 OF THE ABOVE WEST RIGHT-OF-WAY LINE THROUGH A CENTRAL ANGLE OF 01°55'36", A DISTANCE OF A DISTANCE OF 934.21 FEET TO A POINT OF INTERSECTION WITH THE EAST LINE OF THAT CERTAIN FPL EASEMENT AS RECORDED IN DEED BOOK 234, PAGE 102, AND DEED BOOK 238, PAGE 134, OF THE PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA; THENCE, ALONG SAID EAST LINE, NORTH 00°02'34" EAST, A DISTANCE OF 1683.05 FEET TO THE NORTH LINE OF SAID PARCEL 28; THENCE, ALONG SAID NORTH LINE, SOUTH 89°59'43" EAST, A DISTANCE OF 650.91 FEET TO THE POINT OF BEGINNING.

CONTAINING 30.000 ACRES OF LAND, MORE OR LESS.

SAID LANDS SITUATE IN THE CITY OF PORT ST. LUCIE, ST. LUCIE COUNTY, FLORIDA. SUBJECT TO EASEMENTS, RESTRICTIONS, RESERVATIONS, COVENANTS, AND RIGHTS-OF-WAY OF RECORD.



PROJECT TEAM

OWNER/DEVELOPER J. DAVIS MAXWELL, CCIM VP -**DEVELOPMENT** CAPSTONE COLLEGIATE COMMUNITIES, LLC COTTAGE BUILDERS, INC. CAPSTONE PROPERTIES, LLC 431 OFFICE PARK DRIVE BIRMINGHAM, AL 35223

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ADDITIONAL GOVERNING AGENCIES CONTACTS:

PLANNING/ZONING CITY OF PORT ST. LUCIE 121 S.W. PORT ST. LUCIE BLVD PORT ST. LUCIE, FL 34984

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FIRE CHIEF

STORMWATER GLEN GAREAU S. FL. WATER MANAGEMENT DISTRICT 3301 GUN CLUB ROAD WEST PALM BEACH, FL 33406

ENGINEERING COLT SCHWERDT CITY OF PORT ST. LUCIE 121 S.W. PORT ST. LUCIE BLVD PORT ST. LUCIE, FL 34984 (772) 871-5100

PREPARED BY:



THE SITE CONSTRUCTION STAKEOUT SHALL BE PERFORMED UNDER THE DIRECTION OF A FLORIDA REGISTERED SURVEYOR.
AUTOCAD FILES WILL BE FURNISHED TO AID IN THE SITE CONSTRUCTION STAKEOUT. ANY DISCREPANCIES FOUND BETWEEN AUTOCAD FILES AND SITE CONSTRUCTION PLANS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR CLARIFICATION PRIOR TO THAT STAKEOUT.

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IF THE STANDARD DETAILS ARE NOT BEFORE YOU DIG

INCLUDE IN THE CONSTRUCTION PLANS THE CONTRACTOR AND THE EOR SHALL ENSURE THAT A COPY OF THE UTILITY STANDARDS MANUAL, INCLUDING STANDARD DETAILS, IS AVAILABLE AT THE PROJECT AT ALL TIMES.

THIS PROJECT UTILIZES THE PSLUSD 2019 STANDARDS AND SPECIFICATIONS, EFFECTIVE DATE OF 01/01/2019.

5399

IT'S THE LAW! SUNSHINE STATE ONE CALL OF FLORIDA, INC.

ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88). SUBTRACT 1.50' FROM NGVD '29 ELEVATION TO GET THE NAVD '88 ELEVATION.

P21-007

SHEET NUMBER C-220

COVER

SHEE

- 1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH ALL RELATIVE CITY OF PORT ST. LUCIE AND FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), AND FDEP REGULATIONS, EXCEPT AS MODIFIED HEREIN.
- 2. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, NOC'S AND INSURANCE REQUIRED FOR THE WORK.
- CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION OF THE SITE PRIOR TO THE BEGINNING OF THE WORK. CONTRACTOR SHALL INFORM THE OWNER, COMPANY REPRESENTATIVE, CEC, UTILITY AUTHORITY AND INTERESTED AGENCIES AT LEAST 48 HOURS PRIOR TO THE SCHEDULED INSPECTION.
- 4. THE LOCATION OF UTILITIES SHOWN ON THE DRAWINGS ARE FROM THE SURVEY PROVIDED BY CAUFIELD & WHEELER, INC. ON AUGUST 26, 2018. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM, IN THE FIELD, THE LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. SHOULD CONDITIONS VARY FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER PRIOR TO CONTINUING CONSTRUCTION.
- 5. CONTRACTOR SHALL LOCATE, VERIFY AND IDENTIFY ALL EXISTING UNDERGROUND UTILITIES SHOWN, OR NOT SHOWN, ON THE PLANS PRIOR TO ANY EXCAVATING ACTIVITIES.
- 6. CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO PROTECT EXISTING AND NEWLY CONSTRUCTED UTILITIES DURING THE CONSTRUCTION. SHOULD ANY UTILITY LINE OR COMPONENT BECOME DAMAGED OR REQUIRE RELOCATION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE RESPONSIBLE UTILITY COMPANY AND THE ENGINEER.
- 7. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES, SIDEWALK, ROAD, STREET LIGHTS, CURBING CAUSED BY HIS OPERATIONS.
- 8. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION WITH OTHER WORK WHICH MAY BE ONGOING ADJACENT TO, OR AFFECTING, THIS CONSTRUCTION. CONTRACTOR SHALL COOPERATE WITH OTHER CONTRACTORS AND ALL AFFECTED UTILITY COMPANIES.
- 9. CONTRACTOR SHALL NOTIFY ALL APPLICABLE UTILITY COMPANIES AND THE ENGINEER 48 HOURS PRIOR TO THE INITIATING OF ANY EXCAVATION ACTIVITIES, OR AS SPECIFIED BY THE UTILITY COMPANY AND ANY PERMITS REQUIRED FOR THE WORK.
- 10. CONTRACTOR SHALL PROTECT EXISTING SURVEY MARKERS, MONUMENTS, ETC. DURING CONSTRUCTION. CONTRACTOR SHALL RESTORE/REPLACE ANY SURVEY MARKERS DAMAGED DURING CONSTRUCTION ACTIVITIES.
- 11. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL/DISPOSAL OF ANY UNSUITABLE MATERIAL FROM THE CONSTRUCTION OPERATION, FURNISHING AND COMPACTING SUITABLE REPLACEMENT BACKFILL MATERIAL. DISPOSAL OF UNSUITABLE MATERIAL SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
- 12. CONSTRUCTION WARNING SIGNS SHALL BE MOUNTED AND ERECTED BEFORE CONSTRUCTION CAN COMMENCE. THESE, AND ALL TRAFFIC CONTROL DEVICES, SHALL FOLLOW THE STANDARDS SET FORTH BY THE MANUAL OF UNIFORM TRAFFIC DEVICES (MUTCD) AND FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD INDEX.
- 13. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEARLY IDENTIFYING THE AREA OF CONSTRUCTION AND SAFELY ROUTING ALL VEHICULAR AND PEDESTRIAN TRAFFIC AROUND THE CONSTRUCTION AREA. THE CONSTRUCTION AREA SHALL BE CLEARLY MARKED AT ALL TIMES.
- 14. CONTRACTOR SHALL PROVIDE AND MAINTAIN ADEQUATE EROSION AND TURBIDITY CONTROLS IN ACCORDANCE WITH FDEP DURING AND FOLLOWING CONSTRUCTION, UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED TO AVOID ADVERSE ENVIRONMENTAL IMPACTS TO OFF-SITE PROPERTY AND DRAINAGE SYSTEMS.
- 15. CONTRACTOR SHALL HYDRO SEED AND MULCH (OR SOD AS APPLICABLE) ALL AREAS DISTURBED BY THE CONSTRUCTION OF THIS PROJECT ACCORDING TO LOCAL REGULATIONS.
- 16. CONTRACTOR SHALL MAINTAIN "AS-BUILT" INFORMATION ON A REGULAR BASIS. CONTRACTOR SHALL EMPLOY THE SERVICES OF A SURVEYOR REGISTERED IN THE STATE OF FLORIDA TO DETERMINE ALL "AS-BUILT" INFORMATION. WITHIN 14 DAYS OF THE COMPLETION OF THE WORK, CONTRACTOR SHALL PROVIDE SIGNED AND SEALED COPIES AND THE DIGITAL CAD FILE OF THE "AS-BUILT" DRAWINGS AND SUPPORTING SURVEY RECORDS TO THE ENGINEER. "AS-BUILT" DRAWINGS ARE TO BE IN ACCORDANCE WITH THE CITY OF PORT ST. LUCIE REQUIREMENTS.
- 17. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PRODUCE, AS-BUILT DRAWINGS FOR ANY JURISDICTIONAL AGENCIES AS MAY BE REQUIRED FOR PROJECT CERTIFICATION.
- 18. CONTRACTOR SHALL GIVE THE ENGINEER A MINIMUM OF 48 HOURS NOTICE OF ALL MEETINGS OR TESTING MEASURES REQUIRED TO BE WITNESSED BY THE CONSTRUCTION ACTIVITIES RELATED TO THE WORK.
- 19. THE CONTRACTOR SHALL SUBMIT FIVE (5) SETS OF STANDARD SHOP DRAWINGS AND MANUFACTURER'S CATALOGS WITH THE MODEL NUMBER OR TYPE OF THE ITEM ENCIRCLED OR OTHERWISE DESIGNATED. THE SUBMITTALS SHALL BEAR THE APPROVAL OF THE UNDERGROUND UTILITY CONTRACTOR. ALL UTILITY SHOP DRAWINGS WILL NEED TO BE APPROVED BY THE ENGINEER OF RECORD AND CITY OF PORT ST. LUCIE PRIOR TO CONSTRUCTION.
- 20. THE CONTRACTOR SHALL SUBMIT FIVE (5) SETS OF COMPLETE DETAILED SHOP DRAWINGS FOR ALL SANITARY MANHOLÈS, WET WELLS, OTHER CASTINGS, AND PUMPS. THE SUBMITTALS SHALL BEAR THE APPROVAL OF THE UNDERGROUND UTILITY CONTRACTOR ON EACH SHEET. A COMPLETE SET OF THE LIFT STATION ELECTRICAL SHOP DRAWINGS IS ALSO REQUIRED IF APPLICABLE. ALL UTILITY SHOP DRAWINGS WILL NEED TO BE APPROVED BY THE ENGINEER OF RECORD AND CITY OF PORT ST. LUCIE PRIOR TO CONSTRUCTION.

GENERAL UTILITY NOTES:

- 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF PORT ST LUCIE UTILITY SYSTEMS DEPARTMENT UTILITY STANDARDS MANUAL AND THE CITY OF PORT ST. LUCIE LAND DEVELOPMENT CODE, DETAILS AND SPECIFICATIONS, AS WELL AS ALL APPLICABLE STATE AND LOCAL REGULATIONS, EXCEPT AS MODIFIED HEREIN.
- 2. IF SOLVENT CONTAMINATION IS FOUND IN ANY TRENCH, WORK WILL BE STOPPED AND THE CEC, OWNER, AND THE PROPER AUTHORITIES NOTIFIED. THE ST. LUCIE COUNTY HEALTH DEPARTMENT MAY GRANT APPROVAL OF THE USE OF DUCTILE IRON PIPE, FITTINGS AND APPROVED SOLVENT RESISTANT GASKET MATERIAL IN THE CONTAMINATED AREA. THIS APPROVAL MUST BE GRANTED IN WRITING AND PROVIDED TO CEC, AND PROPERTY OWNER. DUCTILE IRON PIPE SHALL EXTEND AT LEAST 100 FEET BEYOND ANY CONTAMINATED AREA.
- 3. VERTICAL LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THE PLAN AND PROFILE SHEETS HAVE BEEN ASSUMED. CONTRACTOR SHALL EXERCISE CAUTION DURING EXCAVATION NEAR EXISTING UTILITIES SHOWN ON THE PLANS AND NOTIFY THE ENGINEER IF THE LOCATION DIFFERS FROM THAT SHOWN BEFORE CONTINUING WITH THE CONSTRUCTION.
- 4. UNSUITABLE MATERIALS UNDER PROPOSED PIPING SHALL BE REMOVED AND REPLACED WITH SELECT BACKFILL, PROPERLY COMPACTED TO 95% OF MAXIMUM DENSITY PER AASHTO T-180.
- 5. FITTINGS SHALL BE USED AT LOCATIONS INDICATED ON THE PLANS, UNLESS OTHERWISE APPROVED BY THE ENGINEER. THRUST BLOCKING SHALL BE USED WHERE REQUIRED BY THE CITY OF PORT ST. LUCIE.

GENERAL UTILITY NOTES:

- THE LENGTH OF TRENCH OPEN AT ANY ONE TIME SHALL BE CONTROLLED BY THE PARTICULAR SURROUNDING CONDITIONS, BUT SHALL BE LIMITED TO 300 LINEAR FEET UNLESS APPROVED BY THE ENGINEER IN WRITING.
- 7. NO CONNECTIONS TO EXISTING POTABLE WATER SYSTEMS SHALL BE ALLOWED UNTIL ALL PROPOSED WATER LINES HAVE BEEN PRESSURE TESTED, DISINFECTED, CLEARED FOR SERVICE AND ACCEPTED BY THE CITY OF PORT ST. LUCIE AND FDEP.
- THE BACTERIOLOGICAL SAMPLE POINTS SHALL BE INDICATED IN RED ON THE "AS BUILT" DRAWINGS PRIOR TO THE REQUEST FOR A LETTER OF RELEASE TO PLACE THE CONSTRUCTION INTO SERVICE. THE SAMPLE NUMBERS WILL CORRESPOND TO THOSE ON THE BACTERIOLOGICAL SAMPLE LAB SHEETS.

WATER / SEWER SEPARATION:

- 1. SANITARY SEWERS (INCLUDING LATERALS), FORCE MAINS, AND STORM SEWERS SHALL CROSS UNDER WATER MAINS WHENEVER POSSIBLE. SANITARY SEWERS, FORCE MAINS AND STORM SEWERS CROSSING WATER MAINS SHALL BE INSTALLED TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE.
- 2. A FULL, UNCUT LENGTH OF WATER MAIN PIPE, AT LEAST 20 FEET IN LENGTH, SHALL BE CENTERED AT THE POINT OF CROSSING OF ALL WATER AND SEWER PIPING, REGARDLESS OF THE VERTICAL SEPARATION.
- 3. WATER MAINS SHALL BE LOCATED AT LEAST 10 FEET HORIZONTALLY FROM PIPES CARRYING RAW WASTEWATER, AND 10 FEET HORIZONTALLY FROM PIPES CARRYING RECLAIMED WATER. THE DISTANCE SHALL BE MEASURED FROM OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE. WATER MAINS SHALL BE LAID TO PROVIDE A SEPARATION OF AT LEAST 18 INCHES BETWEEN THE BOTTOM OF WATER MAIN AND THE TOP OF SEWER OR RECLAIMED WATER PIPE. WATER MAINS SHALL CROSS ABOVE SEWER OR RECLAIMED WATER PIPE WITH A VERTICAL SEPARATION OF AT LEAST 18 INCHES.

WASTEWATER COLLECTION SYSTEMS

- 1. MATERIALS AND INSTALLATION FOR WASTEWATER COLLECTION SYSTEM INCLUDING, BUT NOT LIMITED TO, GRAVITY SEWERS, MANHOLES, SERVICE LATERALS, FORCEMAINS, LIFT STATIONS, AND TESTING REQUIREMENTS SHALL CONFORM TO THE CITY OF PORT ST LUCIE UTILITY SYSTEMS DEPARTMENT UTILITY STANDARDS MANUAL AND THE CITY OF PORT ST. LUCIE LAND DEVELOPMENT CODE AND ALL APPLICABLE FDEP REGULATIONS, ALL PVC GRAVITY SEWER SHALL BE SDR-26.
- 2. WYE GRAVITIES FOR LATERAL SERVICE SHALL BE SIX (6) INCHES I.D.
- 3. PLUGS SHALL BE OF THE SAME MATERIAL AS THE PIPE, GASKETED, AND SHALL WITHSTAND THE REQUIRED TEST PRESSURE.
- 4. LEAKAGE TEST SHALL BE IN ACCORDANCE WITH CITY OF PORT ST. LUCIE AND AWWA C-600, SECTION 5.2.

GENERAL SEPARATION NOTE:

1. ALL UTILITIES SHOULD BE KEPT TEN (10') APART (PARALLEL) OR WHEN CROSSING 18" VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE)

WATER DISTRIBUTION SYSTEMS

1. MATERIALS AND INSTALLATION FOR WATER DISTRIBUTION SYSTEM INCLUDING, BUT NOT LIMITED TO, PIPE FITTINGS, VALVES, JOINT RESTRAINTS, FIRE HYDRANTS, SERVICE LINES, TESTING, AND DISINFECTION SHALL CONFORM TO THE CITY OF PORT ST LUCIE UTILITY SYSTEMS DEPARTMENT UTILITY STANDARDS MANUAL AND THE CITY OF PORT ST. LUCIE LAND DEVELOPMENT CODE AND ALL APPLICABLE FDEP REGULATIONS. ALL PVC PIPE SHALL BE SDR-18 UNLESS SPECIFIED OTHERWISE.

GENERAL STRIPING AND SIGNAGE NOTES:

1. ALL STRIPING AND SIGNAGE SHALL BE IN ACCORDANCE WITH FDOT AND LATEST EDITION OF MUTCD.

WATER AND SEWER UTILITY NOTES

- 1. THE CONTRACTOR SHALL CONSTRUCT GRAVITY SEWER LATERALS, MANHOLES GRAVITY SEWER LINES AND DOMESTIC WATER AND FIRE PROTECTION SYSTEM AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIALS, EQUIPMENT, MACHINERY, TOOLS, MEANS OF TRANSPORTATION AND LABOR NECESSARY TO COMPLETE THE WORK IN FULL AND COMPLETE ACCORDANCE WITH THE SHOWN, DESCRIBED AND REASONABLY INTENDED REQUIREMENTS OF THE CONTRACT DOCUMENTS AND JURISDICTIONAL AGENCY REQUIREMENTS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
- 2. ALL EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS FOR UTILITY LOCATION AND COORDINATION IN ACCORDANCE WITH THE NOTES CONTAINED IN THE GENERAL CONSTRUCTION SECTION OF THIS SHEET.
- 3. THE CONTRACTOR SHALL RESTORE ALL DISTURBED VEGETATION IN KIND, UNLESS SHOWN OTHERWISE.
- 4. DEFLECTION OF PIPE JOINTS AND CURVATURE OF PIPE SHALL NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS. SECURELY CLOSE ALL OPEN ENDS OF PIPE AND FITTINGS WITH A WATERTIGHT PLUG WHEN WORK IS NOT IN PROGRESS. THE INTERIOR OF ALL PIPES SHALL BE CLEAN AND JOINT SURFACES WIPED CLEAN AND DRY AFTER THE PIPE HAS BEEN LOWERED INTO THE TRENCH. VALVES SHALL BE PLUMB AND LOCATED ACCORDING TO THE PLANS.
- 5. ALL PHASES OF INSTALLATION, INCLUDING UNLOADING, TRENCHING, LAYING AND BACK FILLING, SHALL BE DONE IN A FIRST CLASS WORKMANLIKE MANNER. ALL PIPE AND FITTINGS SHALL BE CAREFULLY STORED FOLLOWING MANUFACTURER'S RECOMMENDATIONS. CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE COATING OR LINING IN ANY D.I. PIPE FITTINGS. ANY PIPE OR FITTING WHICH IS DAMAGED OR WHICH HAS FLAWS OR IMPERFECTIONS WHICH, IN THE OPINION OF THE ENGINEER OR OWNER, RENDERS IT UNFIT FOR USE, SHALL NOT BE USED. ANY PIPE NOT SATISFACTORY FOR USE SHALL BE CLEARLY MARKED AND IMMEDIATELY REMOVED FROM THE JOB SITE, AND SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- 6. WATER FOR FIRE FIGHTING SHALL BE AVAILABLE FOR USE PRIOR TO COMBUSTIBLES BEING BROUGHT ON SITE.
- 7. ALL UTILITY AND STORM DRAIN TRENCHES LOCATED UNDER AREAS TO RECEIVE PAVING SHALL BE COMPLETELY BACK FILLED IN ACCORDANCE WITH THE GOVERNING JURISDICTIONAL AGENCY'S SPECIFICATIONS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
- 8. UNDERGROUND LINES SHALL BE SURVEYED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR PRIOR TO BACK FILLING.
- 9. CONTRACTOR SHALL PERFORM, AT HIS OWN EXPENSE, ANY AND ALL TESTS REQUIRED BY THE SPECIFICATIONS AND OR ANY AGENCY HAVING JURISDICTION. THESE TESTS MAY INCLUDE, BUT MAY NOT BE LIMITED TO, INFILTRATION AND EXFILTRATION, TELEVISION INSPECTION AND A MANDREL TEST ON GRAVITY SEWER. A COPY OF THE TEST RESULTS SHALL BE PROVIDED TO THE UTILITY PROVIDER, OWNER AND JURISDICTIONAL AGENCY AS REQUIRED.

PAVING, GRADING AND DRAINAGE NOTES

- 1. THE CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN A COPY OF THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (LATEST EDITION) AND BECOME FAMILIAR WITH THE CONTENTS PRIOR TO COMMENCING WORK, AND, UNLESS OTHERWISE NOTED, ALL WORK SHALL CONFORM AS APPLICABLE TO THESE STANDARDS AND SPECIFICATIONS.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS, ROOTS, MUCK, EXISTING PAVEMENT AND ALL OTHER DELETERIOUS MATERIAL.
- 3. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN CITY'S RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH LOCAL OR CITY SPECIFICATIONS AND STANDARDS (LATEST EDITION) OR FDOT SPECIFICATIONS AND STANDARDS (LATEST EDITION) IF NOT COVERED BY LOCAL REGULATIONS.
- 4. ALL UNPAVED AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY CONSTRUCTION SHALL BE REGRADED AND SODDED.
- 5. TRAFFIC CONTROL ON ALL FDOT, LOCAL AND COUNTY RIGHTS-OF-WAY SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (U.S. DOT/FHA) AND THE REQUIREMENTS OF THE STATE AND ANY LOCAL AGENCY HAVING JURISDICTION. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
- 6. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL A GRASS STAND IS WELL ESTABLISHED OR ADEQUATE STABILIZATION OCCURS.
- 7. ALL OPEN AREAS WITHIN THE PROJECT SITE SHALL BE SODDED UNLESS INDICATED OTHERWISE ON THE LANDSCAPE PLAN.
- 8. ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AS INDICATED ON THE DRAWINGS.
- 9. WHERE EXISTING PAVEMENT IS INDICATED TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL SAW CUT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND REPLACE THE PAVEMENT WITH THE SAME TYPE AND DEPTH OF MATERIAL AS EXISTING OR AS INDICATED.
- 10. WHERE NEW PAVEMENT MEETS THE EXISTING PAVEMENT, THE CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND MATCH THE EXISTING PAVEMENT ELEVATION WITH THE PROPOSED PAVEMENT UNLESS OTHERWISE INDICATED.
- 11. THE CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.
- 12. STRIP TOPSOIL AND ORGANIC MATTER FROM ALL AREAS OF THE SITE AS REQUIRED. IN SOME CASES TOPSOIL MAY BE STOCKPILED ON SITE FOR PLACEMENT WITHIN LANDSCAPED AREAS BUT ONLY AS DIRECTED BY THE OWNER.
- 13. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE LOCAL JURISDICTIONAL AGENCY OR TO FDOT STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
- 14. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED AS PER PLANS. THE AREAS SHALL THEN BE SODDED OR SEEDED AS SPECIFIED IN THE PLANS, FERTILIZED, MULCHED. WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ALL EARTHEN AREAS WILL BE SODDED OR SEEDED AND MULCHED AS SHOWN ON THE LANDSCAPING PLAN.
- 15. ALL CUT OR FILL SLOPES SHALL BE 4 (HORIZONTAL) :1 (VERTICAL) OR FLATTER UNLESS OTHERWISE SHOWN.
- 16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
- 17. THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THEREAFTER, THE CONTRACTOR MUST REMOVE THE BARRIERS. AT NO TIME SHALL THERE BE ANY OFF-SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS IN CHAPTER 17-302, FLORIDA ADMINISTRATIVE CODE.
- 18. SOD, WHERE CALLED FOR, MUST BE INSTALLED AND MAINTAINED ON EXPOSED SLOPES WITHIN 48 HOURS OF COMPLETING FINAL GRADING, AND AT ANY OTHER TIME AS NECESSARY, TO PREVENT EROSION, SEDIMENTATION OR TURBID DISCHARGES.
- 19. THE CONTRACTOR MUST REVIEW AND MAINTAIN A COPY OF THE ENVIRONMENTAL RESOURCE PERMIT COMPLETE WITH ALL CONDITIONS, ATTACHMENTS, EXHIBITS, AND PERMIT MODIFICATIONS IN GOOD CONDITION AT THE CONSTRUCTION SITE. THE COMPLETE PERMIT MUST BE AVAILABLE FOR REVIEW UPON REQUEST BY WATER MANAGEMENT DISTRICT REPRESENTATIVES.
- 20. THE CONTRACTOR SHALL ENSURE THAT ISLAND PLANTING AREAS AND OTHER PLANTING AREAS ARE NOT COMPACTED AND DO NOT CONTAIN ROAD BASE MATERIALS. THE CONTRACTOR SHALL ALSO EXCAVATE AND REMOVE ALL UNDESIRABLE MATERIAL FROM ALL AREAS ON THE SITE TO BE PLANTED AND PROPERLY DISPOSED OF IN A LEGAL MANNER.
- 21. THE CONTRACTOR SHALL INSTALL ALL UNDERGROUND STORM WATER PIPING PER MANUFACTURER'S RECOMMENDATIONS.

1. THE PROPERTY OWNER, CONTRACTOR AND AUTHORIZED REPRESENTATIVES

RIGHT-OF-WAY IN ACCORDANCE WITH CITY CODE, SECTION 41.08(a).

SHALL PROVIDE PICKUP. REMOVAL AND DISPOSAL OF LITTER WITHIN THE

FROM THE EDGE OF PAVEMENT TO THE PROPERTY LINE WITHIN THE CITY'S

PROJECT LIMITS AND SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE AREA

ROADWAY AND PEDESTRIAN LIGHTING GENERAL NOTES

- 1. THE CONTRACTOR SHALL NOTIFY THE CITY OF PORT ST. LUCIE PUBLIC WORKS DEPT. TWO (2) FULL BUSINESS DAYS IN ADVANCE OF ANY WORK TO BE CARRIED OUT AT ANY LIGHTING FACILITY. 772-871-5177.
- 2. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE MOST CURRENT VERSION OF FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE MOST RECENT VERSION OF FDOT DESIGN STANDARDS UNLESS OTHERWISE SPECIFIED IN THE CITY APPROVED DESIGN OR THESE GENERAL NOTES.
- CONDUCTOR AND/OR CABLE SHALL BE HOUSED IN 2"SCHEDULE 40 CONDUIT AS SHOWN ON APPROVED PLAN SHEETS. PROVIDE ONE SPARE CONDUIT FOR EACH CONDUIT RUN AND ROADWAY CROSSING. EACH SPARE CONDUIT SHALL BE SUPPLIED WITH PULL STRING.
- 4. CONTRACTOR SHALL STAKE ALL POLE LOCATIONS AND REQUEST UTILITY COMPANIES TO LOCATE AND MARK UNDERGROUND FACILITIES PRIOR TO EXCAVATION.
- 5. POLES, LUMINAIRES AND BASES SHALL BE FABRICATED IN ACCORDANCE WITH AASHTO'S "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS" AND SHALL HAVE BEEN TESTED BY FHWA APPROVED METHODS. CERTIFICATION FOR TESTS SHALL BE SUBMITTED WITH THE SHOP DRAWINGS.
- 6. PULLING INSTRUCTIONS: CONNECT PULLING DEVICES TO COPPER WIRE AND NOT TO JACKET AND MEET THE MANUFACTURER'S REQUIREMENTS. USE PULLING COMPOUND PER MANUFACTURER'S REQUIREMENTS. ALL BENDS SHALL NOT BE LESS THAN THE MANUFACTURER'S REQUIREMENTS.
- 7. ALL ELECTRICAL WORK SHALL MEET THE REQUIREMENTS OF THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE, THE NATIONAL ELECTRICAL SAFETY CODE AND THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ALL COMPONENTS SHALL BE PROPERLY GROUNDED AND BONDED PER N.E.C. REQUIREMENTS.
- 8. IN LOCATIONS WHERE UNDERGROUND UTILITIES ARE IN CLOSE PROXIMITY TO LIGHTING POLES OR CONDUIT RUNS, AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL HAND DIG THE FIRST 4'OF THE HOLE FOUNDATION AND CONDUIT RUN.
- 9. HAND HOLE COVERS FOR POLES AND TRANSFORMER BASES SHALL BE LOCATED OPPOSITE APPROACHING TRAFFIC.
- 10. THE WIRES AT THE POLE HAND HOLES AND PULL BOXES SHALL BE LOOPED IN THE POLE AND PULL BOXES WITH SUFFICIENT LENGTH TO COMPLETELY REMOVE CONNECTORS AND SPLICES ONE (1.00) FOOT OUTSIDE THE HAND HOLE AND PULL BOXES TO MAKE CONNECTIONS AND SPLICES ACCESSIBLE FOR CHANGING FUSES AND TROUBLESHOOTING THE SYSTEM.
- 11. ALL CONDUCTOR AND/OR WIRE CONNECTIONS SHALL BE BUTT SPLICED AND WATERPROOF. WIRE NUTS WILL NOT BE ACCEPTED.
- 12. EACH POLE SHALL BE EQUIPPED WITH AN ACCESSIBLE FUSE AND FUSE HOLDER WITH PROTECTIVE BOOTS. THE FUSE HOLDER SHALL BE LOCATED IN THE POLE HANDHOLE AND NOT INSTALLED IN THE PULLBOX.
- 13. EACH POLE SHALL BE EQUIPPED WITH A LIGHTNING SURRESTOR THAT IS PROPERLY GROUNDED.
- 14. A PULL BOX SHALL BE INSTALLED AT EACH POLE LOCATION. PULL BOX SHOULD BE LOCATED 2'MAX FROM POLE UNLESS OTHERWISE DIRECTED BY PROJECT ENGINEER. EACH PULL BOX SHALL BE SUPPLIED WITH A GROUNDING ROD AND EACH POLE SHALL BE PROPERLY GROUNDED.
- 15. ALL STREET LIGHTING AND PEDESTRIAN LIGHTING PULL BOXES SHALL BE ARMORCAST PRODUCTS COMPANY #A6001946TAPXX12 POLYMER CONCRETE BOX WITH NON-METALLIC LID AND NON-SKID SURFACE. LID MUST BE STAMPED "STREET LIGHTING". BOX DIMENSIONS ARE 13W X 24L X 12H. 20K WITH OPEN BOTTOM. LID MUST BE FASTENED TO BOX.
- 16. INSTALLATION OF PULL BOXES WITHIN THE SIDEWALK SHOULD BE AVOIDED WHENEVER POSSIBLE, BUT IF NECESSARY, SHALL BE APPROVED BY CITY OF PORT ST LUCIE PUBLIC WORKS PRIOR TO WORK BEING CONDUCTED AND SHALL BE FLUSH BE FLUSH WITH SIDEWALK. PULL BOXES SHALL NEVER BE PLACED WITHIN SIDEWALK RAMPS OR ROADWAY.
- 17. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND ALL EXISTING UTILITIES, INCLUDING OVERHEAD POWER LINES.
- 18. LOCATIONS OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO EXCAVATION.
- 19. CONTACT SUNSHINE ONE CALL OF FLORIDA AT 811 OR SUNSHINE811.COM AT LEAST TWO (2) FULL BUSINESS DAYS BEFORE DIGGING.
- 20. THE CONTRACTOR SHALL COORDINATE WITH FLORIDA POWER AND LIGHT TO DETERMINE ELECTRICAL SERVICE FEED LOCATION.
- 21. ENERGY EFFICIENT LIGHTING TECHNOLOGIES SUCH AS LIGHT EMITTING DIODE (LED) SHALL BE CONSIDERED AND SHOULD BE GIVEN PREFERENCE. INCANDESCENT LIGHTING WILL ONLY BE APPROVED BY THE CITY UNDER UNIQUE CIRCUMSTANCES AND WILL REQUIRE APPROPRIATE JUSTIFICATION SEPARATE FROM PROJECT COST.
- 22. THE LIGHTING SYSTEM WILL BE MAINTAINED BY THE CITY ONLY AFTER FINAL ACCEPTANCE.

IN THE EVENT OF CONFLICTING

APPLIES.

SPECIFICATIONS WITH THESE NOTES

THE MORE STRINGENT REQUIREMENT

AND THE UTILITY STANDARDS MANUA

PSLUSD PROJECT #

5399

- 23. ALL LIGHTING PLANS, SUBMITTAL DATA AND LIGHTING SHOP DRAWINGS SHALL BE APPROVED BY CITY OF PORT ST LUCIE PUBLIC WORKS PRIOR TO THEIR USE. NO CHANGES TO THE APPROVED LIGHTING PLAN, EQUIPMENT SPECIFICATIONS OR INSTALLATION DETAILS SHALL BE MADE WITHOUT PRIOR APPROVAL BY CITY OF PORT ST LUCIE PUBLIC WORKS.
- 24. IN ADDITION TO THE ABOVE GENERAL NOTES, IT SHALL BE THE RESPONSIBILITY OF THE DESIGN ENGINEER TO ENSURE ADDITIONAL GENERAL NOTES AND PAY ITEM FOOT NOTES SPECIFIC TO THE PROJECT ARE INCLUDED IN THE CONSTRUCTION PLANS AND SUBMITTED FOR CITY APPROVAL.

CALL 48 HOURS

Know what's **below.**

SUNSHINE STATE ONE CALL OF FLORIDA, INC. VERTICAL DATUM

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88). SUBTRACT 1.50' FROM NGVD '29 ELEVATION TO GET THE NAVD '88 ELEVATION.

CITY OF PORT ST. LUCIE PROJECT #

SHEET NUMBER C-221

BEFORE YOU DIG IT'S THE LAW!

DIAL 811

ELEVATIONS SHOWN HEREON ARE BASED ON THE

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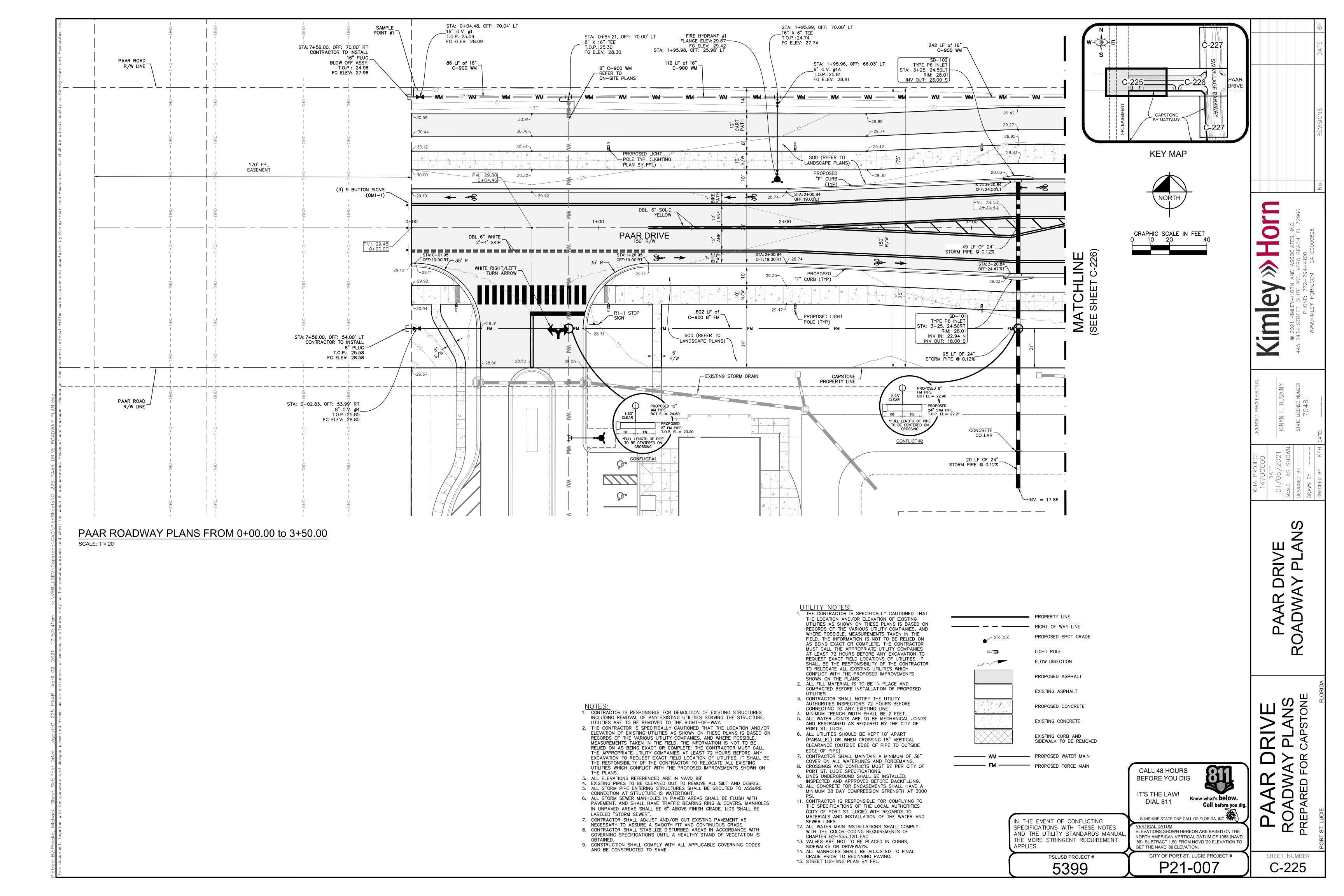
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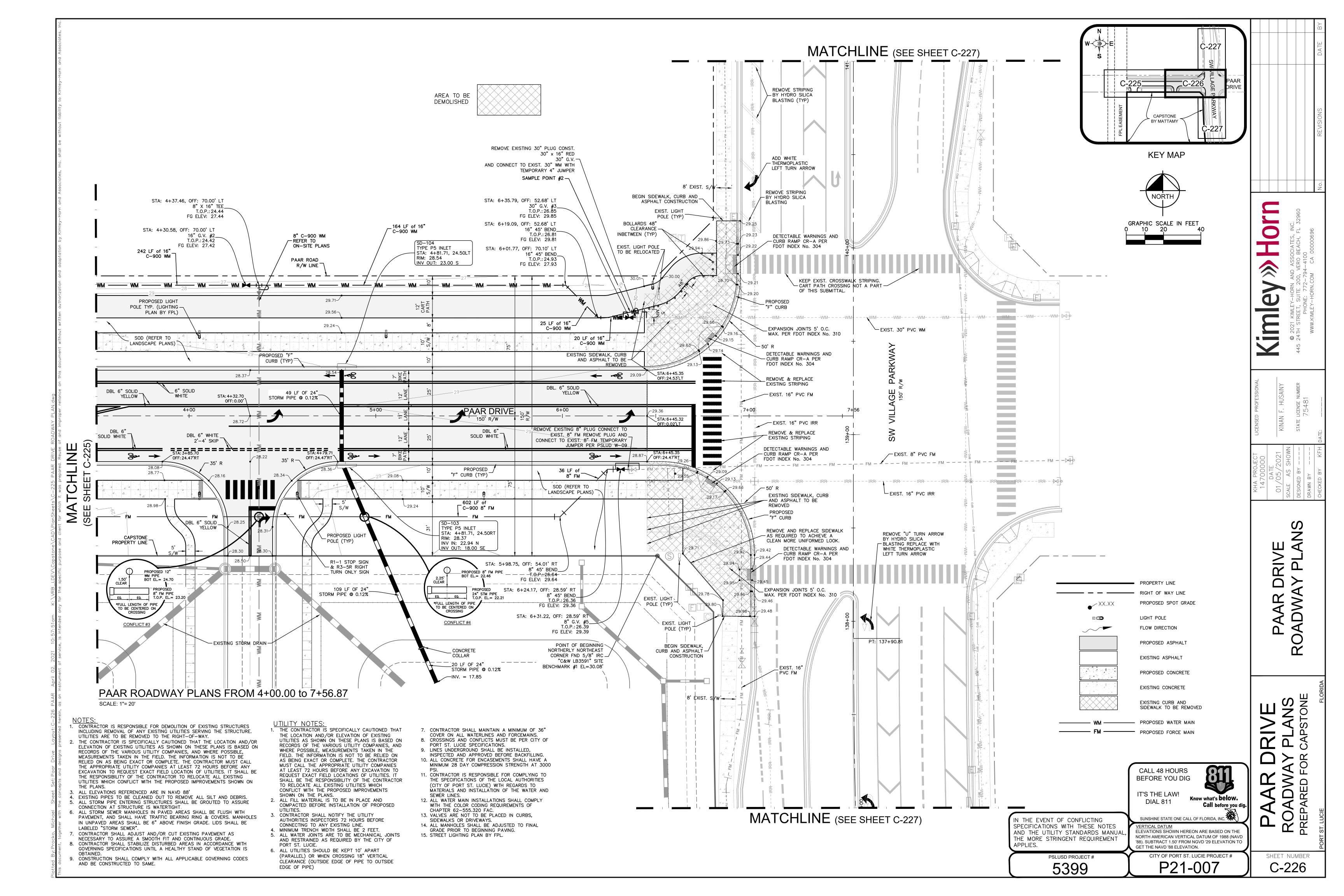
Call before you dig

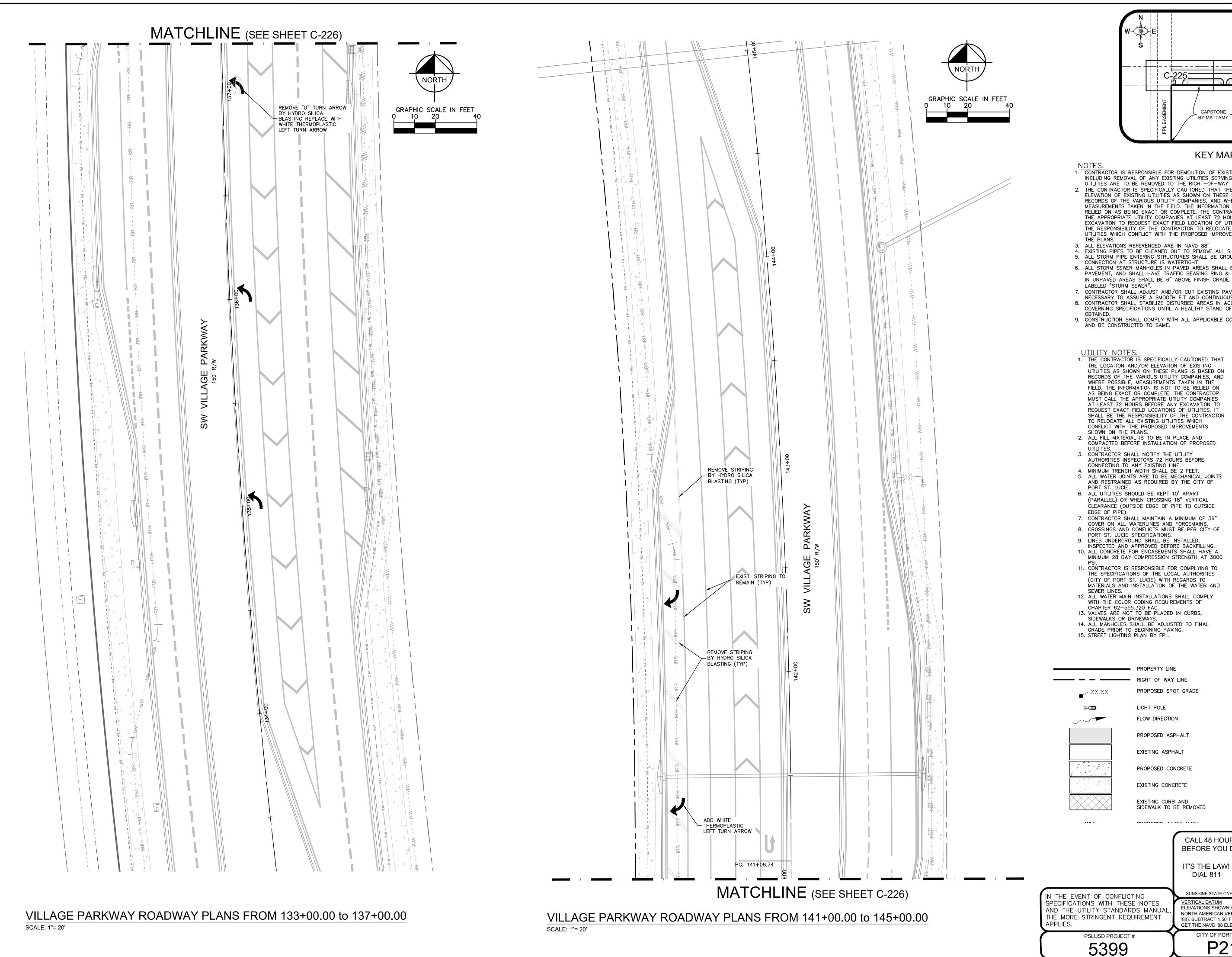
P21-007

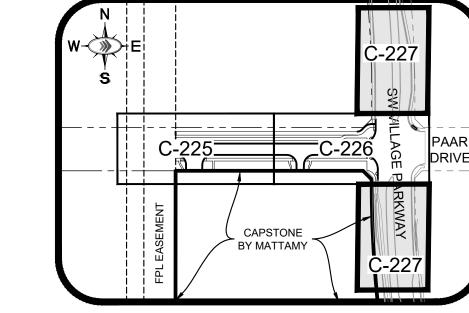
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KEY MAP

NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES INCLUDING REMOVAL OF ANY EXISTING UTILITIES SERVING THE STRUCTURE.

2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON

3. ALL ELEVATIONS REFERENCED ARE IN NAVD 88'

4. EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS. 5. ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.

6. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER". 7. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS

NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE. 8. CONTRACTOR SHALL STABILIZE DISTURBED AREAS IN ACCORDANCE WITH GOVERNING SPECIFICATIONS UNTIL A HEALTHY STAND OF VEGETATION IS

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ADW,

9. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.

UTILITY NOTES:

1. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR
MUST CALL THE APPROPRIATE UTILITY COMPANIES
AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

2. ALL FILL MATERIAL IS TO BE IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED

3. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE

4. MINIMUM TRENCH WIDTH SHALL BE 2 FEET. 5. ALL WATER JOINTS ARE TO BE MECHANICAL JOINTS AND RESTRAINED AS REQUIRED BY THE CITY OF

6. ALL UTILITIES SHOULD BE KEPT 10' APART (PARALLEL) OR WHEN CROSSING 18" VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE)

7. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 36" COVER ON ALL WATERLINES AND FORCEMAINS. 8. CROSSINGS AND CONFLICTS MUST BE PER CITY OF

PORT ST. LUCIE SPECIFICATIONS.

9. LINES UNDERGROUND SHALL BE INSTALLED,
INSPECTED AND APPROVED BEFORE BACKFILLING.

10. ALL CONCRETE FOR ENCASEMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH AT 3000

11. CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF THE LOCAL AUTHORITIES (CITY OF PORT ST. LUCIE) WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER AND

SEWER LINES.
12. ALL WATER MAIN INSTALLATIONS SHALL COMPLY WITH THE COLOR CODING REQUIREMENTS OF

CHAPTER 62-555.320 FAC.

13. VALVES ARE NOT TO BE PLACED IN CURBS, SIDEWALKS OR DRIVEWAYS.

14. ALL MANHOLES SHALL BE ADJUSTED TO FINAL

GRADE PRIOR TO BEGINNING PAVING. 15. STREET LIGHTING PLAN BY FPL.

PROPERTY LINE

FLOW DIRECTION

PROPOSED SPOT GRADE LIGHT POLE

PROPOSED ASPHALT

EXISTING ASPHALT

PROPOSED CONCRETE

EXISTING CONCRETE EXISTING CURB AND

SIDEWALK TO BE REMOVED

CALL 48 HOURS BEFORE YOU DIG IT'S THE LAW! **DIAL 811**

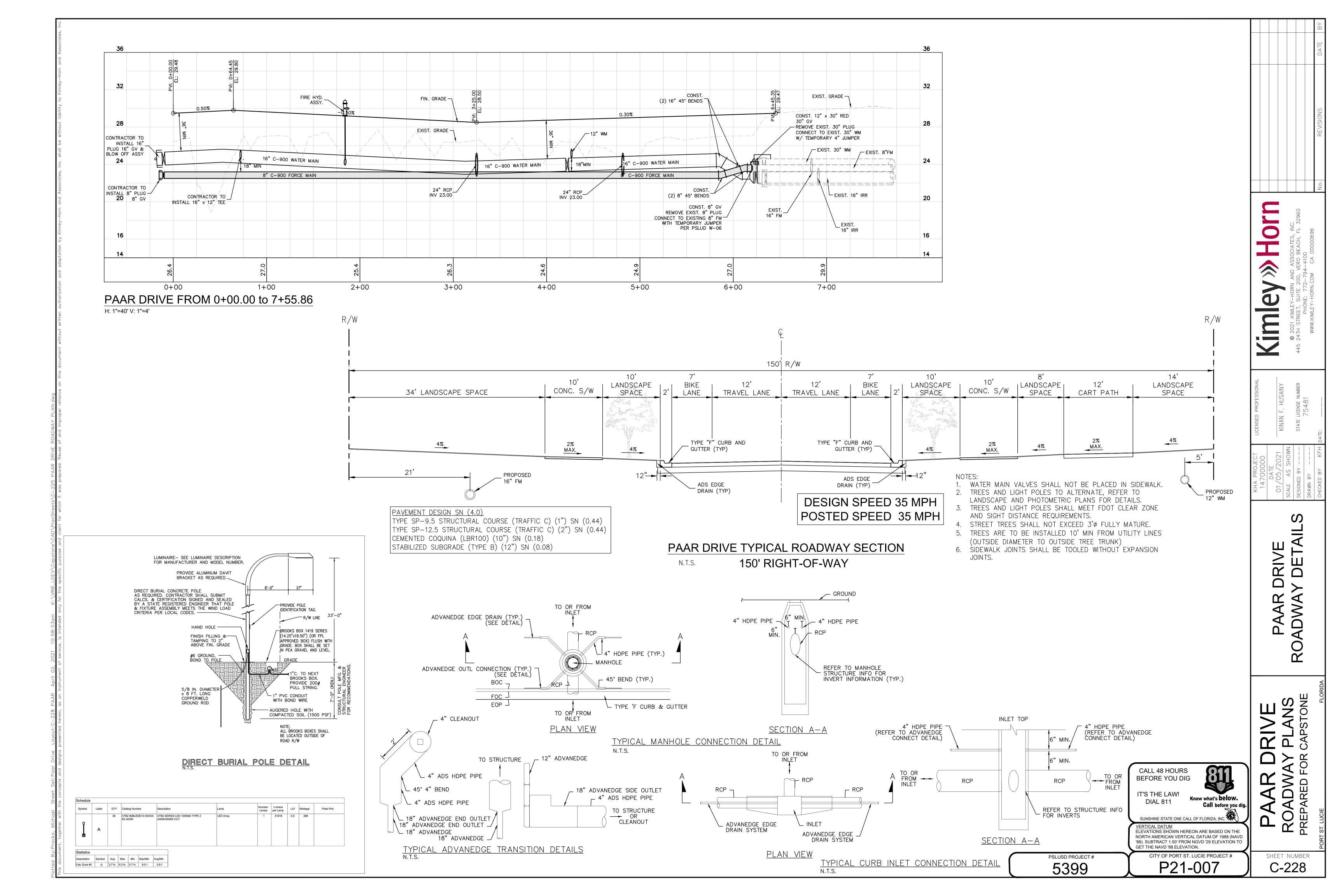
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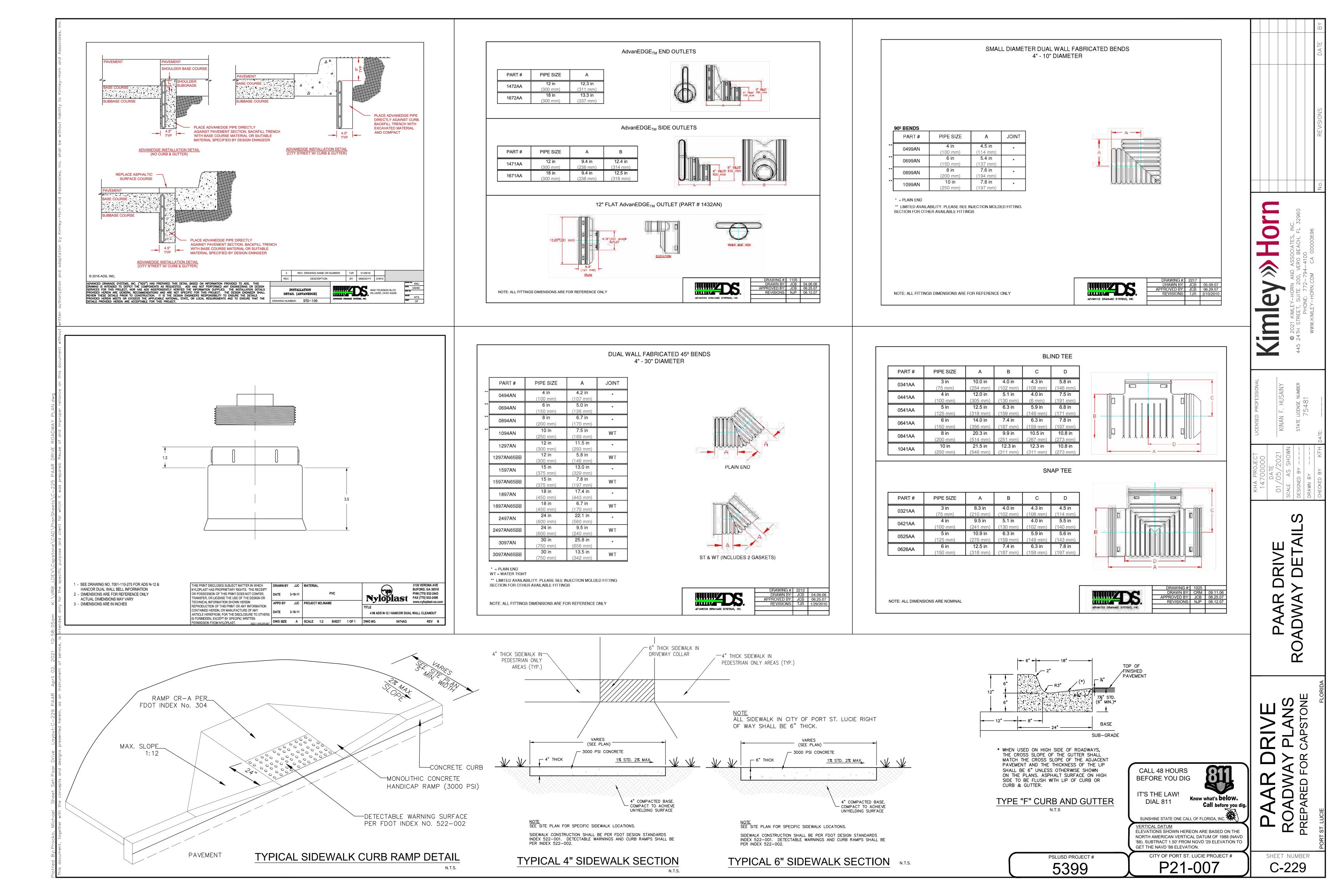
GET THE NAVD '88 ELEVATION. CITY OF PORT ST. LUCIE PROJECT #

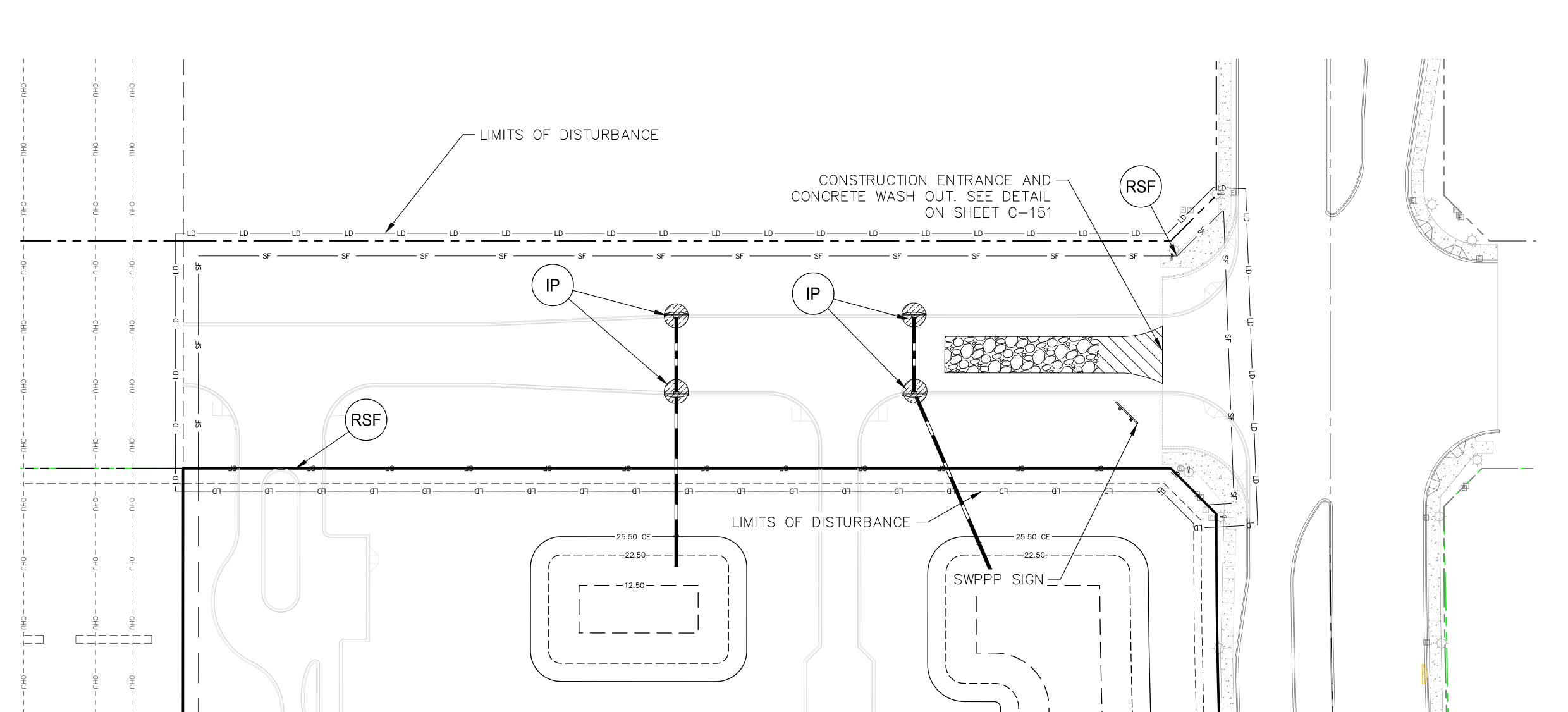
SHEET NUMBER C-227

P21-007

PSLUSD PROJECT#









LEGEND

PROPOSED LIMITS OF DISTURBANCE

O EROSION DETAILS (SEE DETAIL SHEET C-151)

CE) TEMPORARY CONSTRUCTION EXIT (SEE DETAIL)

PROPOSED SEDIMENTATION/ SILT FENCE (SEE DETAIL)

SWPPP INFORMATION SIGN (SEE DETAIL)

IP INLET PROTECTION

B DIVERSION BERM

NOTES:

1. FOR ALL EROSION AND SEDIMENTATION CONTROL DETAILS, REFER TO DETAIL SHEET C-151.

2. LIMITS OF DISTURBANCE IS OFFSET 5' OUTSIDE THE PROPERTY LINE FOR CLARITY. WHERE THIS OCCURS THE LIMITS OF DISTURBANCE IS THE PROPERTY LINE.

4. THE HIGH VISIBILITY CONSTRUCTION FENCE IS OFFSET 5' OUTSIDE THE WETLANDS FOR CLARITY. WHERE THIS OCCURS THE CONSTRUCTION FENCE SHOULD BE PLACED 1' OUTSIDE THE WETLANDS.

5. THE REINFORCED SILT FENCE IS OFFSET 10' INSIDE THE PROPERTY LINE FOR CLARITY. WHERE THIS OCCURS THE SILT FENCE SHOULD BE PLACED 5' INSIDE THE PROPERTY LINE.

6. CONTRACTOR SHALL CONTAIN ALL WORK WITHIN THE LIMITS OF DISTURBANCE, WHICH INCLUDES STORAGE OF MATERIALS AND EQUIPMENT. CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL AREAS AFFECTED BY WORK TO A CONDITION AS GOOD AS EXISTING OR BETTER.

LAKE BANKS TO BE STABILIZED WITHIN SEVEN (7) DAYS OF COMPLETION.

DUST CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS REQUIRED TO INCLUDE ALL MEASURES TO CONTROL DUST IN BASE BID.

TRACK OUT IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS REQUIRED TO INCLUDE ALL MEASURES TO CONTROL TRACK OUT IN

> CALL 48 HOURS BEFORE YOU DIG

> IT'S THE LAW! **DIAL 811**

Know what's **below.** Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC. VERTICAL DATUM

P21-007

CITY OF PORT ST. LUCIE PROJECT #

5399

ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88). SUBTRACT 1.50' FROM NGVD '29 ELEVATION TO GET THE NAVD '88 ELEVATION.

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SHEET NUMBER

NO FFWCC (850-488-4676) NO NO NO N/A N/A BASE BID. NO N/A NO NO YES FDOT (772-465-7396) YES

ENVIRONMENTAL SITE ASSESSMENT AN ENVIRONMENTAL SITE ASSESSMENT WAS REQUIRED FOR THIS PROJECT. PLEASE REFER TO THE TABLE ABOVE TO SUMMARIZE FINDINGS. ADDITIONAL INFORMATION CAN BE FOUND WITHIN THE ENVIRONMENTAL

ENVIRONMENTAL SITE ASSESSMENT

INFO

USACE (202-761-7690)

N/A

FOUND (Y/N)

YES

NO

DESCRIPTION

WETLANDS

RARE HABITAT

THREATENED SPECIES

ENDANGERED SPECIES

SPECIES OF SPECIAL

CONCERN

INASIVE/EXOTIC VEGETATION

SITE ASSESSMENT.

AGENCY CONTACT MANAGEMENT

PLAN (Y/N)

YES

N/A

RESTORATION

PLAN (Y/N)

NO

N/A

Section 1	Project Name and location information:	PAAR DRIVE, PORT ST. LUCIE, FLORIDA.				
Section 2	Describe the nature of the construction activity:	Construction activities consist of the development of a proposed roadway within the City of Port St. Lucie, Florida.				
Section 3	Describe the intended sequence of major soil	- 0-2 DAYS - SITE PREP AND STABILIZED CONSTRUCTION ENTRANCE				
	disturbing activities:	- 3-6 DAYS - INSTALL PERIMETER SEDIMENT AND EROSION CONTROLS				
		- 7-60 DAYS - INSTALL STORMWATER RETENTION BASIN - 7-10 DAYS - CLEARING/GRUBBING OVER ALL AREAS				
		- 11-90 DAYS - SITE GRADING - 90-150 DAYS - INSTALL STORM SEWER AND UTILITIES - 150-180 DAYS - STABILIZE SITE				
Section 4	Total area of the site:	2.61 AC				
Section 5	Total area of the site to be disturbed:	2.61 AC				
Section 6	Existing data describing the soil or quality of any stormwater discharge from the site:	The soils on site are mostly sand, consisting of salerno, punta, waveland and immokallee sands.				
Section 7	Estimate the drainage area size for each discharge point:	2.61 AC				
Section 8	Latitude and longitude of each discharge point and identify the receiving water or MS4 for each	LAT: 27° 12' 57" N LON: 80° 24' 54" W DISCHARGES THROUGH ONSITE CONTROL STRUCTURE				
	discharge point:	WITH ULTIMATE DISCHARGE TO OFFSITE CANAL				
Section 9	Give a detailed description of all controls, Best Mana, implemented at the construction site for each activity					
	disturbing activities section. Provide time frames in w	rhich the controls will be implemented.				
	NOTE: All controls shall be consistent with performance standards for erosion and sediment control and stormwater treatment set forth in s. 62-40.432, F.A.C., the applicable Stormwater or Environmental					
	Resource Permitting requirements of the Department or a Water Management District, and the guidelines contained in the State of Florida Erosion and Sediment Control Designer and Reviewer Manual, FDOT, FDEP, and any subsequent amendments.					
	PHASE I 1. INSTALL STABILIZED CONSTRUCTION EXIT(S) AND SWI	DDD ENTRANCE SIGN				
	INSTALL SILT FENCE(S) ON THE SITE (CLEAR ONLY THE PREPARE TEMPORARY PARKING AND STORAGE AREA	OSE AREAS NECESSARY TO INSTALL SILT FENCE).				
	4. ORANGE PROTECTIVE FENCE AROUND ANY LAND TO E TREES/WETLANDS.					
	 5. INSTALL AND STABILIZE HYDRAULIC CONTROL STRUC 6. BEGIN CLEARING AND GRUBBING THE SITE. 7. BEGIN GRADING THE SITE. 	TURES (SWALES, CHECK DAMS, ETC.).				
	7. BEGIN GRADING THE SITE.					
Section 10	Describe all temporary and permanent stabilization p					
	temporary seeding, mulching, permanent seeding, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, vegetative preservations, etc.					
	1. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE					
	APPLIED WITHIN SEVEN (7) DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN UNDISTURBED FOR LONGER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT UNDISTURBED FOR MORE THAN ONE YEAR.					
	2. DURING CONSTRUCTION OF THE PROJECT, SOIL STOC	K PILES SHALL BE STABILIZED, COVERED OR CONTAINED IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND				
	PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON FROM THE PROJECT SITE.	N SITE AS WELL AS SOIL INTENTIONALLY TRANSPORTED SHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY				
	STABILIZED. 4. WHEN WORK IN A LIVE WATERCOURSE IS PERFORMED					
	ENCROACHMENT, CONTROL SEDIMENT TRANSPORT AND POSSIBLE DURING CONSTRUCTION.	STABILIZE THE WORK AREA TO THE GREATEST EXTENT				
	5. ALL CLEARED AREAS WILL RECEIVE SEED AND MULCH WITHIN 7 DAYS IF NO CONSTRUCTION ACTIVITIES ARE TAKING PLACE OR PLANNED FOR 7 DAYS OR MORE AND/OR COMPLETION OF A PHASE OF GRADING.					
Section 11	6. VEGETATIVE COVER OR OTHER EROSION CONTROL DEVICES OR STRUCTURES USED TO MEET THESE REQUIREMENTS SHALL BE PROPERLY MAINTAINED DURING AND AFTER CONSTRUCTION Describe all structural controls to be implemented to divert stormwater flow from exposed soils and structural					
Section 11	practices to store flows, retain sediment on-site or in	any other way limit stormwater runoff. These controls				
	include silt fences, earth dikes, diversions, swales, sediment traps, check dams, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, coagulating agents and temporary or permanent					
	sediment basins.					
	1. SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEE TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST ST FUNCTIONAL BEFORE UP-SLOPE LAND DISTURBANCE TA	FEP IN ANY LAND DISTURBING ACTIVITY AND SHALL BE MADE				
	2. ALL SEDIMENT CONTROL MEASURES ARE TO BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND BE CONSTRUCTED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE OUT OF TORON OF THE TIME OF CONSTRUCTION AND BE CONSTRUCTED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE OUT OF THE TIME OF CONSTRUCTION AND BE CONSTRUCTED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE OUT OF THE TIME OF CONSTRUCTED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE OUT OF THE TIME OF CONSTRUCTED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE OUT OF THE TIME OF CONSTRUCTED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE					
	MATERIAL ON BALANCE OF SITE. PERIMETER SEDIMENT SEDIMENT OR TRASH FROM FLOWING OR FLOATING ON	TO ADJACENT PROPERTIES.				
	3. CONCENTRATED RUNOFF SHALL NOT FLOW DOWN CUT OR FILL SLOPES UNLESS CONTAINED WITHIN AN ADEQUATE TEMPORARY OR PERMANENT CHANNEL, FLUME, SLOPE DRAIN STRUCTURE OR APPROVED CONTROL.					
	4. SEDIMENT WILL BE PREVENTED FROM ENTERING ANY STORM WATER SYSTEM, DITCH OR CHANNEL. ALL STORM WATER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR					
	OTHERWISE TREATED TO REMOVE SEDIMENT. 5. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER					
	FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. 6. PROPERTIES AND WATERWAYS DOWNSTREAM FROM CONSTRUCTION SITES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND EROSION AT ALL TIMES DURING CONSTRUCTION.					
	7. ALL STORM SEWER INLET GRATES TO BE COVERED WITH FILTER FABRIC DURING CONSTRUCTION 8. CUT AND FILL SLOPES TO BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION. SILT FENCES TO BE					
	USED WHERE NECESSARY. 9. SILT FENCE INSTALLATION SHALL BE IN ACCORDANCE WITH FDOT STANDARD INDEX NO. 102. 10. FLOATING TURBIDITY BARRIER INSTALLATION SHALL BE IN ACCORDANCE WITH THE FDOT STANDARD INDEX NO.					
	103. 11. THE ANGLE FOR GRADED SLOPES AND FILLS SHALL NOT BE GREATER THAN THE ANGLE WHICH CAN BE RETAINED					
	BY VEGETATIVE COVER, OR OTHER ADEQUATE EROSION-CONTROL, DEVICES OR STRUCTURE (GENERALLY 4:1 OR LESS). SLOPES LEFT EXPOSED WILL, WITHIN SEVEN 97) WORKING DAYS OF COMPLETION OF ANY PHASE OF GRADING, BE PLANTED OR OTHERWISE PROVIDED WITH GROUND COVER, DEVICES, OR STRUCTURES SUFFICIENT TO					
	RESTRAIN EROSION. 12. PERIODIC INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES MUST BE PROVIDED TO					
	ENSURE INTENDED PURPOSE IS ACCOMPLISHED. THE DEVELOPER, OWNER AND/OR CONTRACTOR SHALL BE CONTINUALLY RESPONSIBLE FOR ALL SEDIMENT CONTROLS. SEDIMENT CONTROL MEASURES SHALL BE IN					
Section 12	Describe all sediment basins to be implemented for a	reas that will disturb 10 or more acres at one				
	time. The sediment basins (or an equivalent alternative for each acre drained. Temporary sediment basins (or	re) should be able to provide 3,600 cubic feet of storage				
	recommended for drainage areas under 10 acres.					
	PROVIDED= 268,709 CF. REQUIRED= 30A	AC X 3600CF/AC= 108,000CF				
	Describe all permanent stormwater management con	trols such as, but not limited to, detention or				
Section 13	retention systems or vegetated swales that will be inst					

WET RETENTION PONDS

Section 14	Waste disposal, this may include construction debris, chemicals, litter, and sanitary wastes:	All construction materials and debris will be placed in a dumpster and hauled off site to a landfill or other proper disposal site. No material will be buried on site.			
Section 15	Offsite vehicle tracking from construction entrances/exits:	Off site vehicle tracking of sediments and dust generation will be minimized via a rock construction entrance, street sweeping and the use of water to keep dust down.			
Section 16	The proper application rates of all fertilizers, herbicides and pesticides used at the construction site:	Florida-friendly fertilizers and pesticides will be used at a minimum and in accordance with the manufacturer's suggested application rates.			
Section 17	The storage, application, generation and migration of all toxic substances:	All paints and other chemicals will be stored in a locked covered shed.			
Section 18	Other:	Port-o-lets will be placed away from storm sewer systems, storm inlet(s), surface waters and wetlands. No vehicle maintenance shall be conducted on-site. A washdown area shall be designated at all times and will not be located in any area that will allow for the discharge of polluted runoff.			
Section 19	Provide a detailed description of the maintenance plan for all structural and non-structural controls to assure that they remain in good and effective operating condition.				
	 stringent: Silt fence shall be inspected at least weekly. Any required repairs shall be made immediately. Sediment deposits shall be removed when they reach approximately one-half the height of the barrier. Maintenance shall be performed on the rock entrance when any void spaces are full of sediment. Inlet(s)/outfalls shall be inspected immediately after each rain event and any required repairs to the filter inlets, silt fence, or filter fabric shall be performed immediately. Bare areas of the site that were previously seeded shall be reseeded per manufactures' instructions. Mulch and sod that has been washed out shall be replaced immediately. Maintain all other areas of the site with proper controls as necessary. 				
Section 20	Inspections: Describe the inspection and inspection documentation procedures, as required by the FDEP NPDES Generic Permit for Stormwater Discharge from Large and Small Construction Activities.				
	Qualified personnel will inspect all points of discharges, all disturbed areas of construction that have not been stabilized, constructed areas and locations where vehicles enter and exit the site, and all BMPs at least once every 7 calendar days and within 24 hours of the end of a rainfall event that is 0.5 inches or greater. Where sites have been finally stabilized, said inspections shall be conducted at least once every month until the Notice of Termination is filed.				
Section 21	Identify and describe all sources of non-stormwater discharges as allowed by the FDEP NPDES Generic Permit for Stormwater Discharge from Large and Small Construction Activities.				
	Contractor is responsible for all surface water discharges, ra Contractor must incorporate all BMP's necessary to meet or Dewatering from construction activities shall be maintained systems.	exceed state water quality and SWPPPP requirements.			
Section 22	All contractor(s) and subcontractor(s) identified in the SWPPP must sign the following certification:				
	"I certify under penalty of law that I understand, and shall comply with, the terms and conditions of the State of Florida Generic Permit for Stormwater Discharge from Large and Small Construction Activities and this Stormwater Pollution Prevention Plan prepared thereunder."				

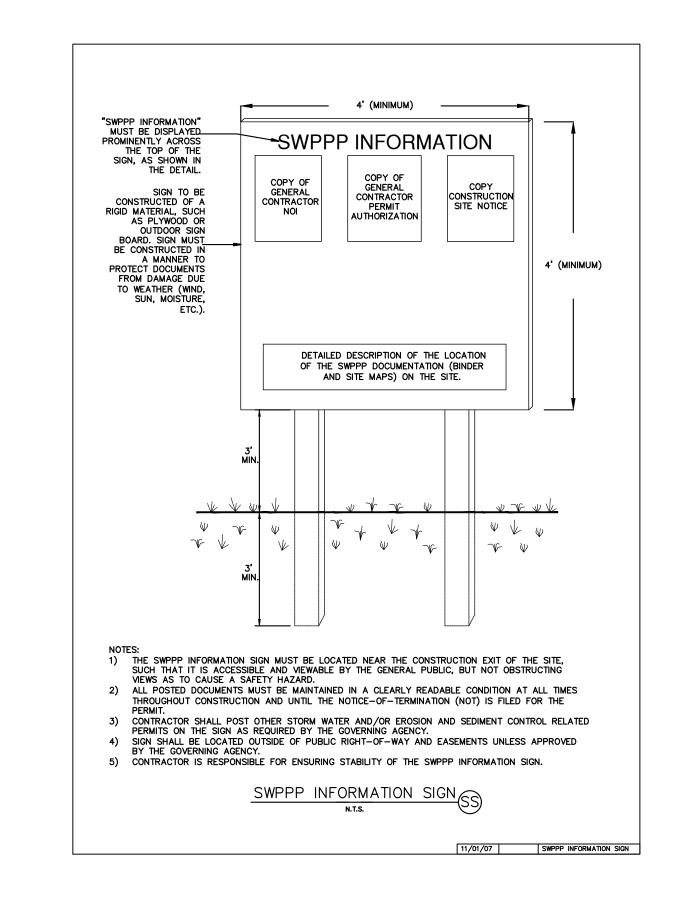
Section 22	Name	Title	Company Name, Address and Phone Number	Date

NOTE: CONTRACTOR SHALL FILL OUT THE RESPONSIBLE ENTITIES TABLE ABOVE.

RESPONSIBLE ENTITIES

THE SWPPP MUST CLEARLY IDENTIFY, FOR EACH MEASURE IDENTIFIED WITHIN THE SWPPP, THE CONTRACTOR(S) OR SUBCONTRACTOR(S) THAT WILL IMPLEMENT EACH MEASURE. ALL CONTRACTOR(S) AND SUBCONTRACTOR(S) THAT WILL BE RESPONSIBLE FOR THE IMPLEMENTATION AND MAINTENANCE OF THE MEASURES IDENTIFIED IN THE SWPPP MUST SIGN THE FOLLOWIN

"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THERE UNDER."





SWP

VERTICAL DATUM
ELEVATIONS SHOWN HEREON ARE BASED ON THE
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD
'88). SUBTRACT 1.50' FROM NGVD '29 ELEVATION TO
GET THE NAVD '88 ELEVATION.

CITY OF PORT ST. LUCIE PROJECT # P21-007

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

SHEET NUMBER C-231

5399

IT'S THE LAW! DIAL 811

